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Serial Number: 10/733,277

Reply to the Final Office Action dated 12 December 2005

**AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listing of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently amended) A pixel structure for an LCoS display to reflect an incident light at an incident angle to an output light at an output angle, the pixel structure comprising:

a glass plate for refracting the incident light to a first light at a first angle;

an electrode under the glass plate;

an insulator formed on the electrode;

a plurality of reflectors on the insulator for reflecting the first light to a second light at a second angle to be further refracted by the glass plate to the output light, each of the plurality of reflectors is oblique at a third angle, the plurality of oblique reflectors includes:

a first group of reflectors each having a reflective surface with a third angle to the insulator for reflecting a first wavelength component of the first light;

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a second group of reflectors each having a reflective surface with a fourth angle to the insulator for reflecting a second wavelength component of the first light; and  
a third group of reflectors each having a reflective surface with a fifth angle to the insulator for reflecting a third wavelength component of the first light;  
a passivation on the plurality of reflectors and the insulator; and  
a transparent conductor on the passivation.

2. (Withdrawn) The pixel structure of claim 1, wherein the transparent conductor is electrically connected to the electrode by the plurality of reflectors.

3. (Previously presented) The pixel structure of claim 1, wherein the transparent conductor is directly connected to the electrode.

4. (Cancelled).

5. (Currently amended) The pixel structure of claim [[4]] 1, wherein each of the plurality of reflectors comprises a high reflective metal.

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6. (Withdrawn) The pixel structure of claim ~~[[4]]~~ 1, wherein each of the plurality of reflectors comprises a high reflective multilayer coating.

7. (Cancelled).

8. (Withdrawn) The pixel structure of claim 1, wherein each of the plurality of reflectors has an optical grating.

9. (Withdrawn) The pixel structure of claim 8, wherein the optical grating comprises one or more metal layers in stack.

10. (Withdrawn) The pixel structure of claim 8, wherein the optical grating comprises a high reflective multilayer coating.

11. (Withdrawn) The pixel structure of claim 8, wherein the plurality of reflectors comprises:

~~a first group of the optical gratings of the first group of reflectors have~~  
~~having~~ a first period for reflecting a the first wavelength  
component of the first light;

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~~a second group of the optical gratings of the second group of reflectors~~

have ~~having~~ a second period for reflecting ~~a~~ the second  
wavelength component of the first light; and

~~a third group of the optical gratings of the third group of reflectors~~

have ~~having~~ a third period for reflecting a third wavelength  
component of the first light.

12. (Withdrawn) The pixel structure of claim 1, wherein each of the  
plurality of reflectors comprises:

a planar reflective surface; and

a transparent element on the planar reflective surface for refracting the  
first light to be vertically incident on the planar reflective surface.

13. (Withdrawn) The pixel structure of claim 12, wherein the planar  
reflective surface comprises a high reflective metal.

14. (Withdrawn) The pixel structure of claim 12, wherein the transparent  
element comprises one or more microprisms.

15. - 16. (Cancelled).

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17. (Previously presented) A method for an LCoS display to reflect an incident light at an incident angle to an output light at an output angle, the method comprising the steps of:

refracting the incident light to a first light at a first angle;

reflecting the first light to a second light at a second angle by a

plurality of oblique reflectors, the step of reflecting the first light including the steps of:

reflecting a first wavelength component of the first light by a first group of the reflectors each having a reflective surface oblique at a third angle;

reflecting a second wavelength component of the first light by a second group of the reflectors each having a reflective surface oblique at a fourth angle; and

reflecting a third wavelength component of the first light by a third group of the reflectors each having a reflective surface oblique at a fifth angle; and,

refracting the second light to the output light.

18. (Currently amended) The method of claim [[16]] 17, wherein the step of reflecting the first light comprises diffracting the first light.

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19. - 23. (Cancelled).